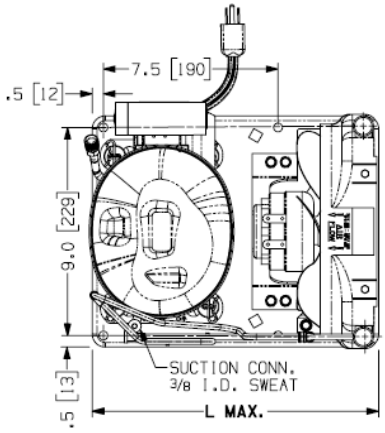
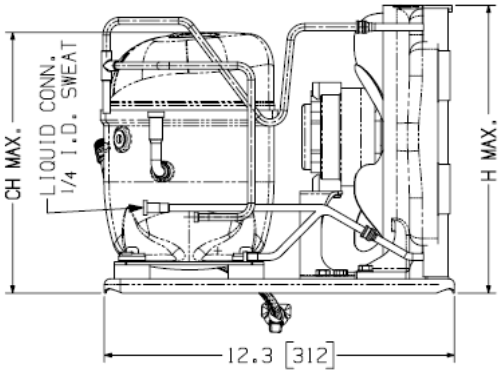
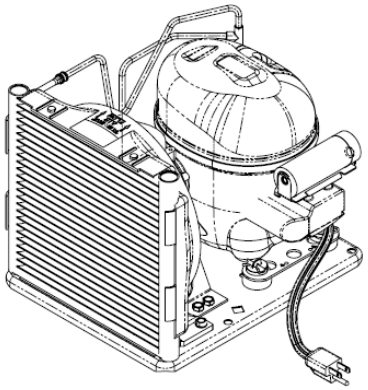
Tecumseh Compressor Company
Indoor Condensing Units

September 4, 2014
Revision: REL

Model: AE4450Y-FZ1CPG **BoM: 2E292-1** **R-134A** **1/3 HP** **AIRCOOLED**







Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AE4450Y-FZ1CPG	12.6	10.6	10.1	9.2	3/8” S	1/4” S	-	180	10	-
* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting										

		Ambient Temperatures											
Evaporator T		80°F			90°F			100°F			110°F		
°F	PSIG	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
20	18.4	2972	545	106	2766	559	113	2499	567	123	2269	577	132
25	22.1	3295	583	106	3069	599	116	2773	608	126	2514	622	135
30	26.1	3641	624	112	3387	642	119	3054	654	129	2761	670	138
35	30.4	4008	668	115	3721	688	122	3342	704	132	3010	723	141
40	35.0	4398	716	119	4072	738	126	3637	759	135	3262	778	144
45	40.0	4811	766	122	4438	792	130	3940	819	139	3517	838	147
50	45.4	5246	819	126	4820	849	134	4249	883	142	3774	901	150
55	51.2	5703	876	130	5219	910	139	4566	952	146	4033	969	153

60 Hz Performance

Return gas temp. 65°F. 5°F sub-cooling

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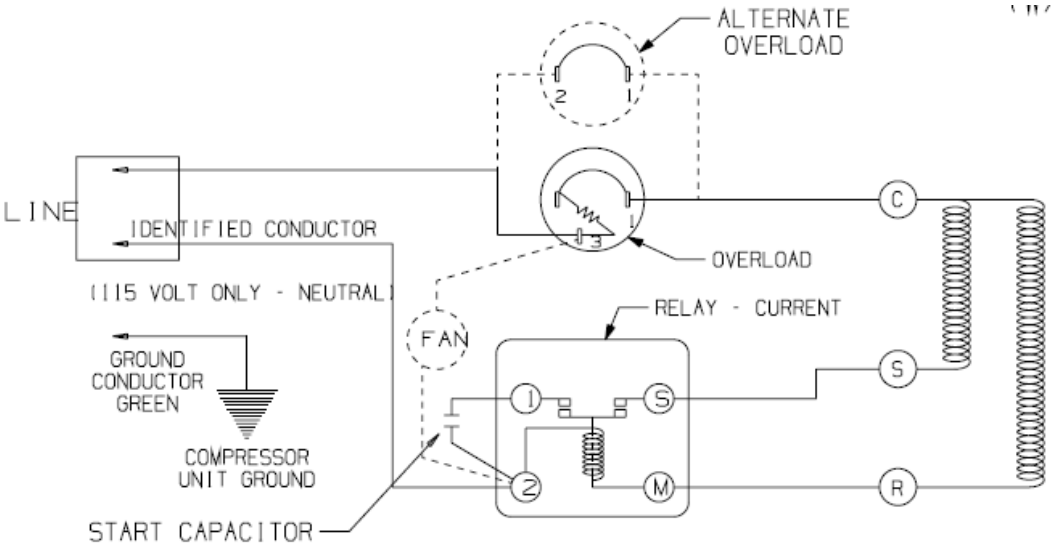
September 5, 2014

Specifications/ Parts:

Model	AE4450Y-FZ1CPG
Unit Bill of Material	2E292-1
Nominal Volts-Hz-Ph	220/240-50-1
Refrigeration Range	20° to 55°F
Design Pressure Low	150
Design Pressure High	350
Voltage Range	198 to 264
Min. Circuit Ampacity	4.3
Max. Fuse Size (amps)	15
Compressor Model	AE4450Y-FZ1C
Comp. Bill of Material	AE-1367-E
Compressor RLA/LRA	3.23 / 17.0
Overload	830-10086
Relay	820-10133
Run Capacitor	N/A
Run Capacitor Rating	N/A
Start Capacitor	85PS250D09
Start Capacitor Rating	88-108 MFD 250V VDE
Contactor	N/A
Unit Drawing	DGU1924-16
Wiring Diagram	DEAE2

Fan Motor	810M009C08
Fan Motor RLA	0.27
Fan Blade	51567
Fan Guard	N/A
Fan Shroud	71092
High Pressure Switch	N/A
Low Pressure Control	N/A
Condenser	50866
Receiver Tank	N/A
Liquid Valve	N/A
Liquid Filter *	N/A
Sight Glass *	N/A
Suction Valve *	N/A
Rotolock Valve Gasket	N/A
Discharge Valve	N/A
Suction Filter *	N/A
Accumulator *	N/A
Crankcase Heater	N/A
Defrost Timer	N/A
Fan Switch (s)	N/A
* = Equipped Units Only	
Solenoid Valve	N/A
Receiver Heater	N/A

Electrical Diagram



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR
REF. DWG. MD-472-1